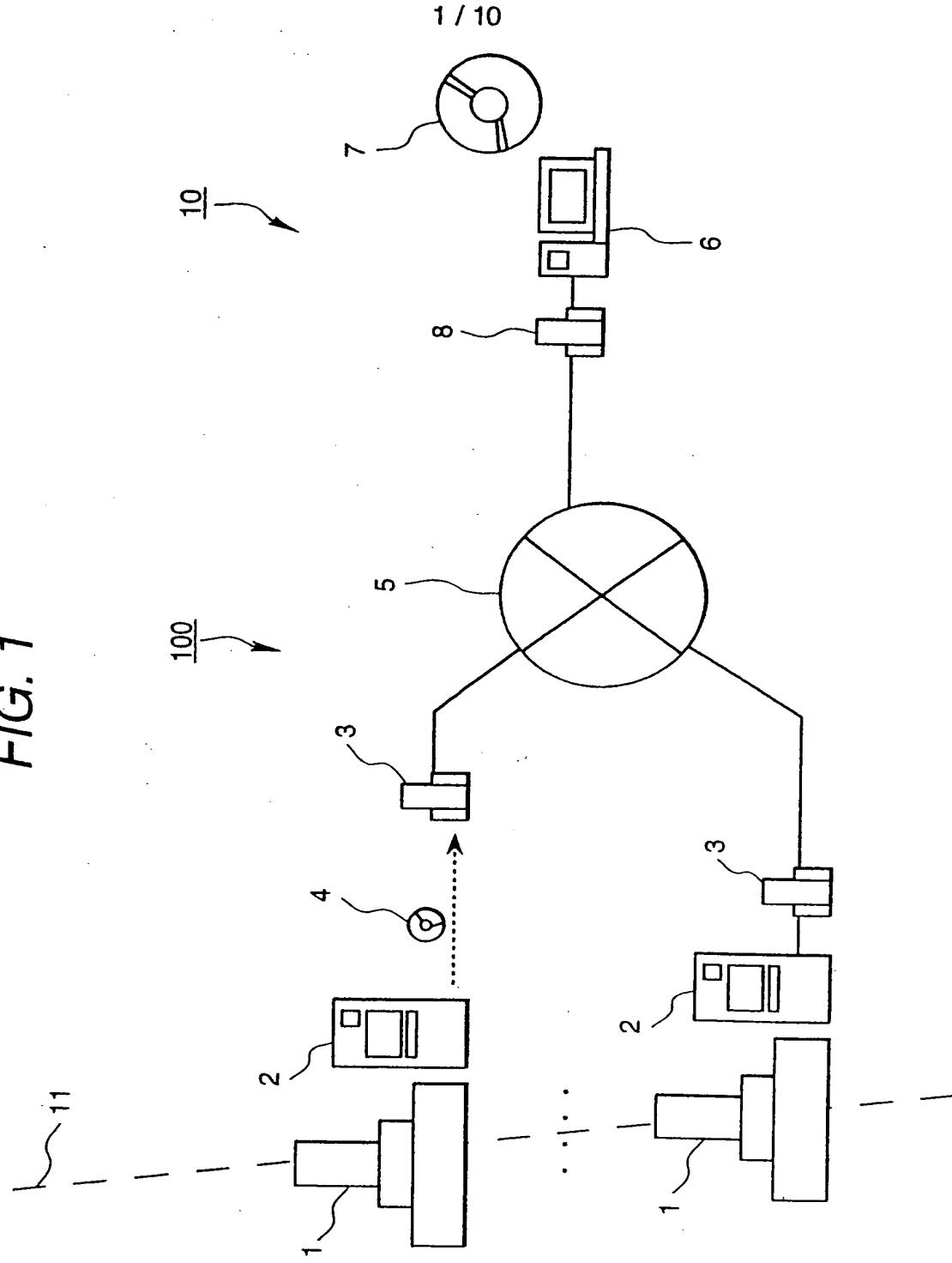


*FIG. 1*



## FIG. 2

### APPARATUS RUNNING INFORMATION

- NUMBER OF SHEETS TO BE PROCESSED
- RUNNING TIME
- TOTAL NUMBER OF SHOTS

21

### PRODUCT GRADE INFORMATION

- VARIOUS CALIBRATION TOLERABLE VALUE
- SIZE ACCURACY TOLERABLE VALUE
- POSITION ACCURACY TOLERABLE VALUE
- ALIGNMENT ACCURACY TOLERABLE VALUE

22

### APPARATUS CONDITION INFORMATION

- VARIOUS RESIDUES OF CALIBRATION AND COMPENSATION
- CALIBRATION CONDITION PARAMETER
- CALIBRATION HISTORY
- ACCUMULATED USE TIME OF LIMITED-LIFE PART
- GENERATED ERROR INFORMATION

23

## CHARGING SYSTEM FLOW

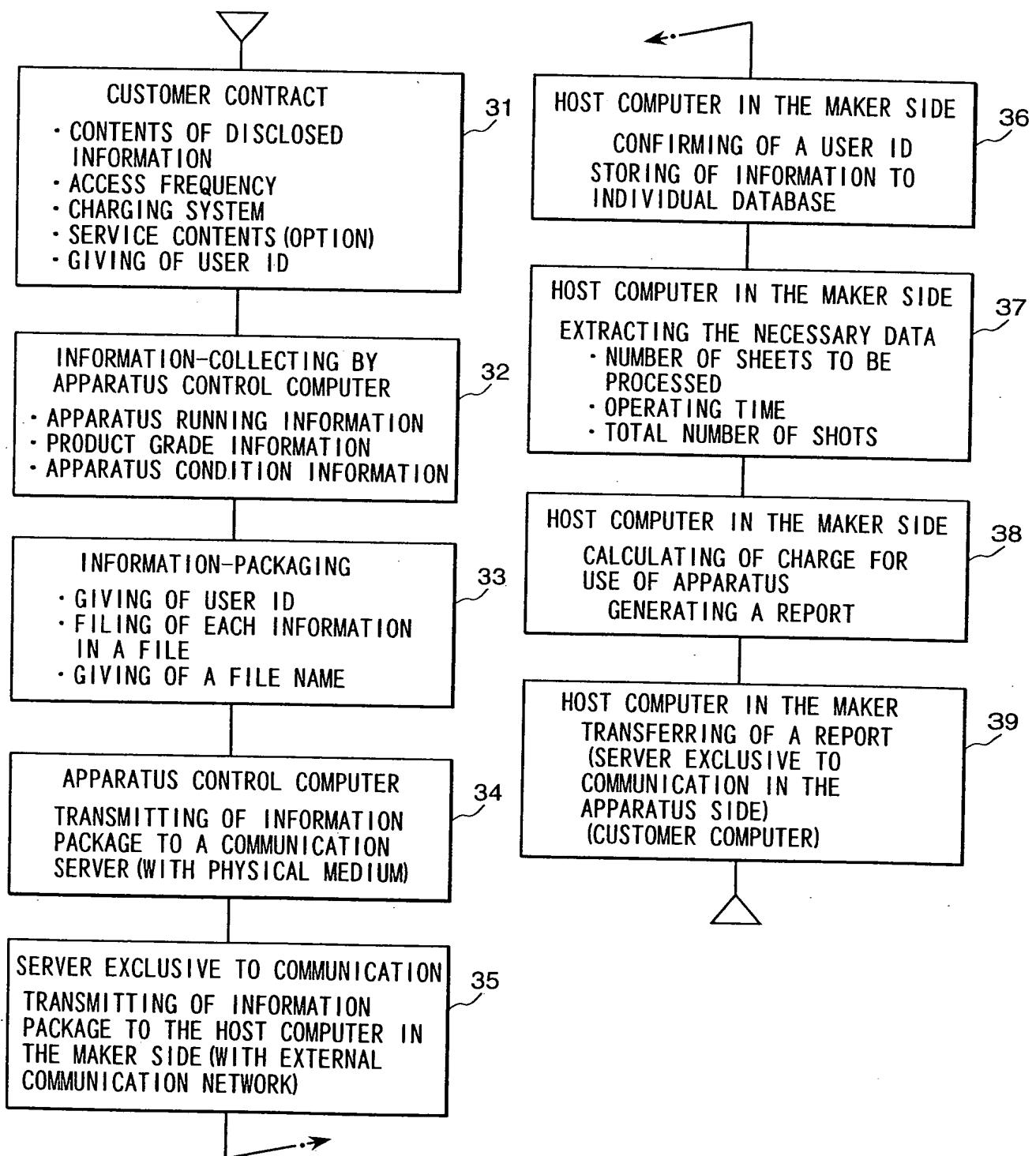
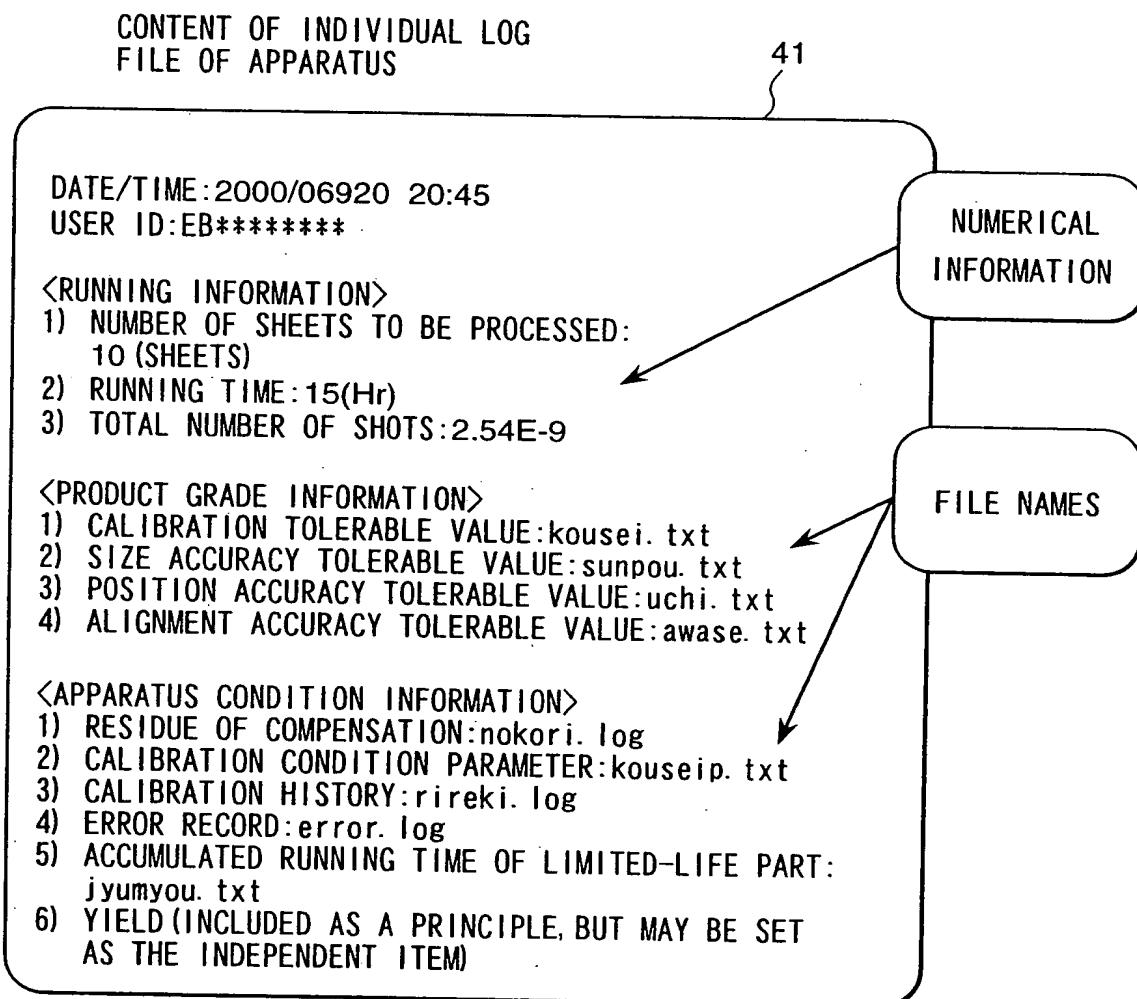


FIG. 4



***FIG. 5*****EXAMPLE OF CHARGE-CALCULATION ALGORITHM**

(EXAMPLE 1) . . . SIMPLE PROPORTION TO THE NUMBER  
OF SHEETS TO BE PROCESSED

CHARGE FOR USE=NUMBER OF SHEETS TO BE PROCESSED×UNIT PRICE IN THE CONTRACT

(EXAMPLE 2) . . . SIMPLE PROPORTION TO NUMBER OF SHOTS

CHARGE FOR USE=TOTAL NUMBER OF SHOTS×UNIT PRICE IN THE CONTRACT

(EXAMPLE 3) . . . PROPORTION TO THE NUMBER OF SHEETS  
(CONSIDERING THE GRADE)

CHARGE FOR USE=NUMBER OF SHEETS TO BE PROCESSED×UNIT PRICE IN  
THE CONTACT×GRADE COEFFICIENT

GRADE COEFFICIENT: ROUGH PROCESS: 0.8

USUAL PROCESS: 1.0

FINE PROCESS : 1.4

(EXAMPLE 4) . . . PROPORTIONAL TO THE NUMBER OF SHEETS PROCESSED-  
THROUGHPUT DELAY (CONSIDERING THE GRADE)

CHARGE FOR USE=NUMBER OF SHEETS PROCESSED×UNIT PRICE IN  
THE CONTRACT×GRADE COEFFICIENT×RUNNING TIME×(1.4-GRADE COEFFICIENT)

(EXAMPLE 5) . . . PROPORTIONAL TO THE NUMBER OF SHOTS-THROUGHPUT DELAY  
(CONSIDERING THE GRADE)

CHARGE FOR USE=TOTAL NUMBER OF SHOTS×UNIT PRICE IN  
THE CONTRACT×GRADE COEFFICIENT×RUNNING TIME×(1.4-GRADE COEFFICIENT)

6 / 10

## FIG. 6

### EXAMPLE OF CHARGE REPORT

61

#### <REPORT OF CHARGE FOR USE>

62  
CUSTOMER ID:EB\*\*\*\*\*  
COLLECTION DATE:2000/06/20

63 64  
CHARGE FOR USE:\$x, xxx, xxx  
(PRECEDING DAY:\$z, zzz, zzz)

65  
(CALCULATION CONDITION)  
NUMBER OF SHEETS TO BE PROCESSED:13 SHEETS  
RUNNING TIME:12HOURS  
TOTAL NUMBER OF SHOTS:3.3E9  
PRODUCT GRADE COEFFICIENT:1.0  
APPARATUS CONDITION COEFFICIENT:0.1  
CALCULATION ALGORITHM:No.4

## FIG. 7

### EXAMPLE OF PERIODICAL CHARGE REPORT

71

#### <REPORT OF MONTHLY CHARGE FOR USE>

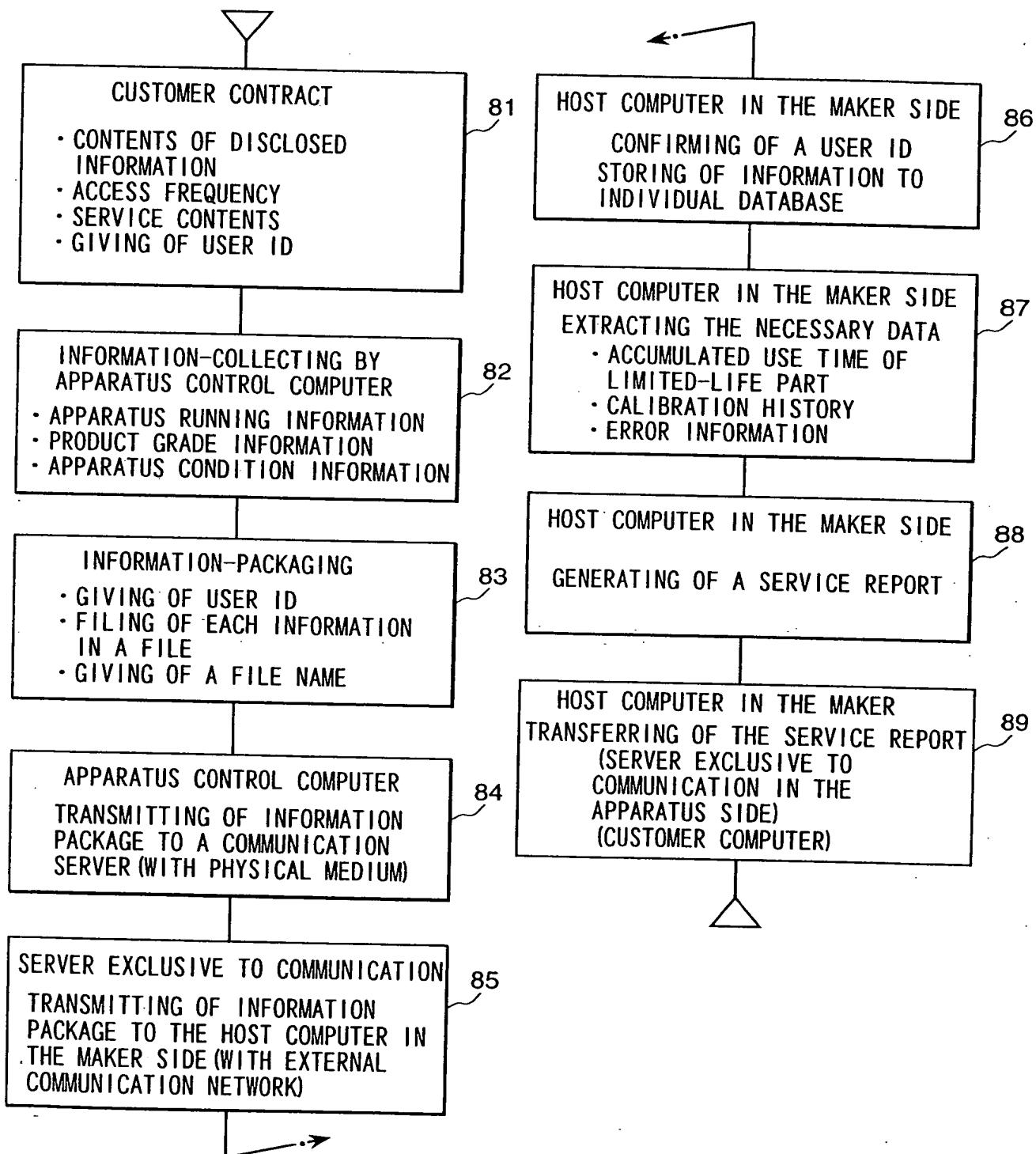
72  
CUSTOMER ID:EB\*\*\*\*\*  
COLLECTION DATE:2000/05/21 ~ 2000/06/20

73 74  
CHARGE FOR USE:\$x, xxx, xxx  
(PRECEDING DAY:\$z, zzz, zzz)

75  
(CALCULATION CONDITION)  
TOTAL NUMBER OF SHEETS PROCESSED:124 SHEETS  
TOTAL RUNNING TIME:240 HOURS  
TOTAL NUMBER OF SHOTS:8.3E12  
AVERAGE GRADE COEFFICIENT:1.2  
AVERAGE APPARATUS CONDITION COEFFICIENT:0.1  
CALCULATION ALGORITHM:No.4

FIG. 8

## SERVICE SYSTEM FLOW



*FIG. 9*

## EXAMPLE OF SERVICE REPORT

91

## &lt;SERVICE REPORT&gt;

92

CUSTOMER ID:EB\*\*\*\*\*  
COLLECTION DATE:2000\*06/20

93 94

## 1. LIMITED-LIFE PART INFORMATION

(1) PA HALOGEN LAMP

- ACCUMULATED USE TIME: 150 HOURS
- RECOMMENDED EXCHANGE TIME: NEXT PERIODICAL CHECK(2000/12)

95

## 2. CALIBRATION HISTORY INFORMATION

## (1) CURRENT DENSITY

- CURRENT DENSITY CHANGE DURING 7 DAYS IS 0.05.
- ESTIMATED CHIP EXCHANGE TIME IS 2001/03.

96

## 3. ERROR INFORMATION

## (1) MARK DETECTION

- STANDARD MARK DETECTION REPRODUCIBILITY HAS EXCEEDED THE TOLERABLE VALUE
- CHANGE OF MARK POSITION USED IS RECOMMENDED.

# FIG. 10

## EXAMPLE OF USER ASSISTANCE

101

&lt;REQUEST ENTRY COLUMN&gt;

102

CUSTOMER ID:EB\*\*\*\*\*  
COLLECTION DATE:2000\*06/20

103 104

### 1. CONCERNING THE ACCURACY

GIVE A MARK TO THE ITEM FOR FURTHER IMPROVEMENT IN THE ACCURACY.

- SIZE ACCURACY
- CONNECTION ACCURACY
- POSITION ACCURACY
- ALIGNMENT ACCURACY

PLEASE FULL IN THE TARGET SPECIFICATION OF THE  
ACCURACY IMPROVEMENT.

SIZE ACCURACY: CONNECTION ACCURACY:

POSITION ACCURACY: ALIGNMENT ACCURACY:

### 2. CONCERNING THE CALIBRATION ACCURACY

GIVE A MARK TO THE ITEM FOR FURTHER IMPROVEMENT IN  
THE ACCURACY.

<input type="checkbox"/> COMPENSATION FOR BEAM SIZE	<input type="checkbox"/> BEAM ALIGNMENT
<input type="checkbox"/> COMPENSATION FOR DEFLECTION DISTORTION	<input type="checkbox"/> HEIGHT DETECTION
<input type="checkbox"/> COMPENSATION FOR FOCUS	
<input type="checkbox"/> CURRENT DENSITY MEASUREMENT	

### 3. OTHERS

PLEASE FILL IN YOUR REQUEST.

FIG. 11(i)

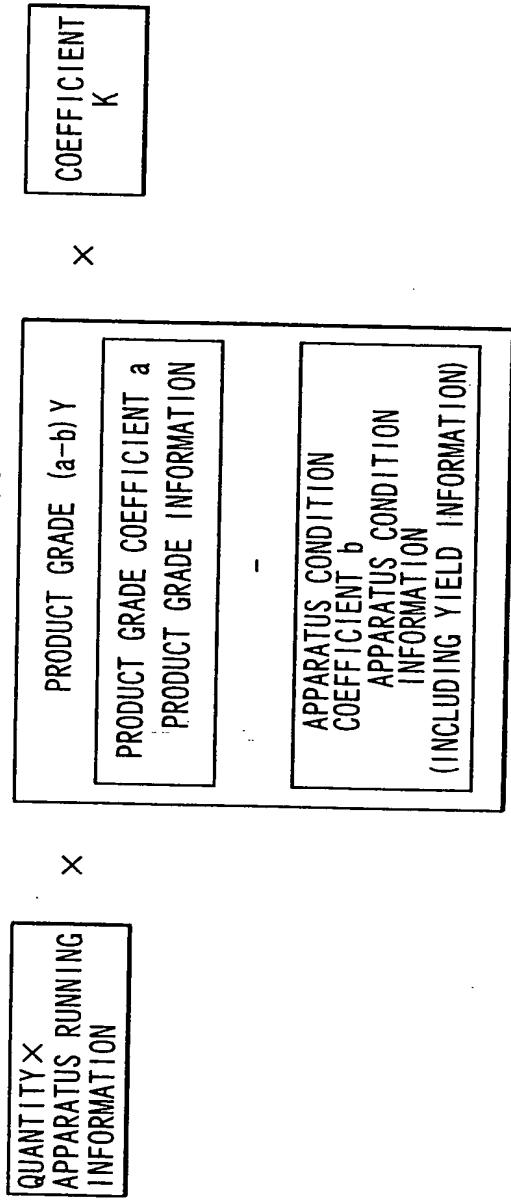


FIG. 11(ii)

